

Converting Colors

CIELCh(15, 77.811, 308.199)

Have a look what the booklet for
CIELCh(15, 77.811, 308.199)
contains.

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Color

CIELCh(15, 77.957, 308.268)

Conversions

Conversions Part 1

Format	Color
Hex	230080
RGB	35, 0, 128
RGB Percent	14%, 0%, 50%
CMY	0.8633, 1.0000, 0.4984
CMYK	0.73, 1.00, 0.00, 0.50
HSL	256°, 100%, 25%
HSV	256°, 100%, 50%
XYZ	4.5766, 1.9086, 20.5134
YIQ	25.0570, -20.2280, 47.2280

Conversions

Conversions Part 2

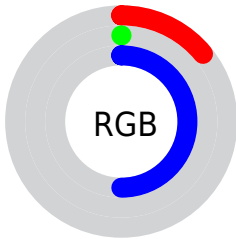
Format	Color
RYB	35, 0, 128
Decimal	2293888
CIELab	15.00, 48.28, -61.21
CIELCh	15, 77.957, 308.268
Yxy	1.9086, 0.1695, 0.0707
Android (android.graphics.Color)	4280483968 (0xFF230080)
YUV	25.0570, 50.7509, 8.7200
Hunter-Lab	13.8151, 34.9562, -78.3662

Details

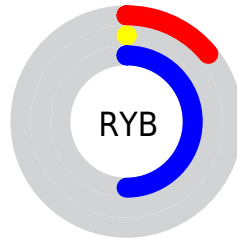
The CIELCh color **15, 77.957, 308.268** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **49, 60.637, 118.105**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **35, 77.618, 308.209**, and **5, 54.117, 304.880** is the 20% darker color. If you saturate the color by 10%, you get **15, 77.922, 308.258**, and if you desaturate by 10%, it is **17, 72.539, 307.867**.

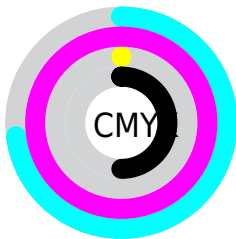
Distribution



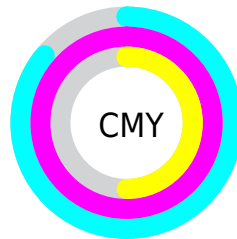
- Red (14%)
- Green (0%)
- Blue (50%)



- Red (14%)
- Yellow (0%)
- Blue (50%)



- Cyan (73%)
- Magenta (100%)
- Yellow (0%)
- Black (50%)




- Cyan (86%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 77.957, 308.268 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 15, 77.957, 308.268 by changing the saturation by 10% instead.

 15, 77.957,
308.268

 15, 77.957,
308.268

 100, 77.957,
308.268


 5, 77.957, 308.268

 35, 77.957,
308.268

 0, 77.957, 308.268

 45, 77.957,
308.268


 55, 77.957,
308.268


 65, 77.957,
308.268

 75, 77.957,
308.268


 85, 77.957,

308.268


 95, 77.957,
308.268


 15, 77.957,
308.268

 15, 77.957,
308.268


 15, 77.922,
308.258

 17, 72.539,
307.867

 20, 66.024,
307.344

 24, 58.146,
306.529

 28, 49.613,
305.580

 32, 40.892,
304.608

■ 36, 32.239,
303.677

■ 40, 23.786,
302.819

■ 45, 15.587,
302.047

■ 49, 7.661, 301.362

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15, 77.957, 308.268



49, 60.637, 118.105

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15, 77.957, 308.268



15, 77.957, 358.268



15, 77.957, 128.268



15, 77.957, 178.268

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15, 77.922, 308.258



52, 29.437, 302.876



37, 27.701, 248.005



25, 20.361, 303.173



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15, 77.922, 308.258



21, 94.401, 308.057



24, 70.887, 319.795



25, 4.300, 301.304



15, 77.746, 308.261



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28, 56.664, 342.332



37, 68.179, 342.756



47, 69.807, 133.881



25, 4.216, 333.744



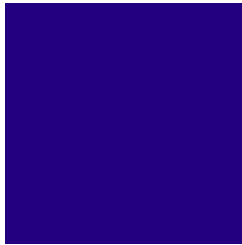
28, 56.540, 342.326



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 15, 77.957, 308.268 looks on a white background.

Color Contrast Check

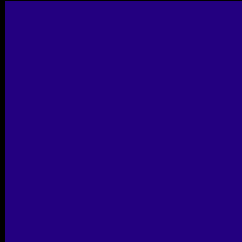
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 15, 77.957, 308.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

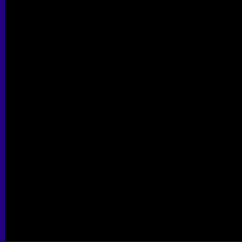
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 77.957, 308.268

Background



This preview shows how black text looks on a background with the CIELCh color 15, 77.957, 308.268.



This preview shows how white text looks on a background with the CIELCh color 15, 77.957, 308.268.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15, 77.957, 308.268

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 21.984, 266.865



Tritanopia
16, 14.663, 204.900

Trichromacy



Original Color
15, 77.957, 308.268

Protanomaly
14, 52.085, 300.059

Deuteranomaly
13, 45.654, 297.958

Tritanomaly
13, 34.994, 293.378

Monochromacy



Original Color
15, 77.957, 308.268

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 33.823, 306.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 77.957, 308.268 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(35, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(35, 0, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(35, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 0, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 77.957, 308.268 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(35, 0, 128) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(35, 0, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(35, 0, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(35, 0, 128)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 77.957, 308.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 0, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(35, 0,  
128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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